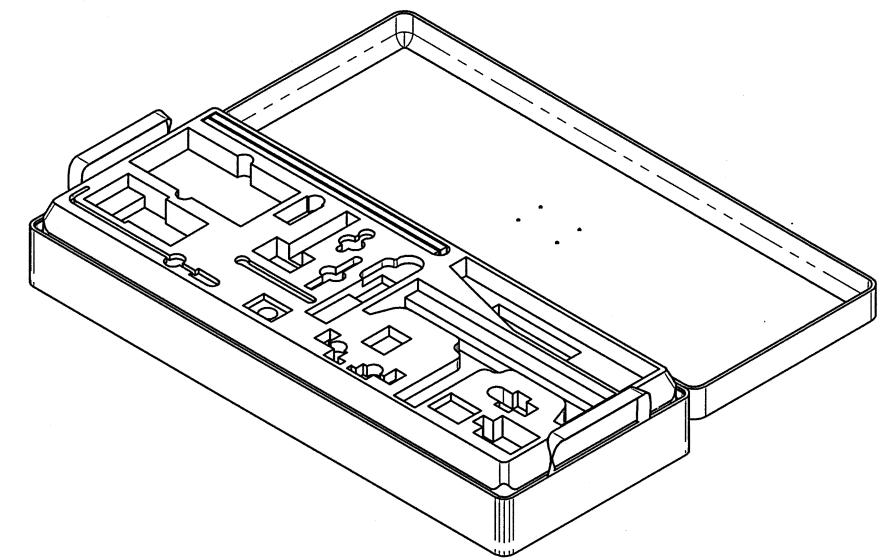


ITEM #	QTY	PART #	PART TITLE
-1	1	RBT18543-1	PACKAGING ASSEMBLY
-7	1	RBT18543-7	CONTENT & LOCATION PLACARD
-9	1	RBT18543-9	Snap-On#GOEX10B OR EQUIV. (5/16" 12 PT. COMBINATION WRENCH)
-11	1	RBT18543-11	MSC#06180863 OR EQUIV. (CROWSFOOT INB. HYD. FILTER 3/8 DR. X 1" WD.)
-13	1	RBT18543-13	McMaster#90319A110 OR EQUIV. (SAFETY PIN (TO BE USED W/Q) Ø3/64" WIRE)
-15	2	RBT18543-15	OSP#EE-1-901 (SLING 1" WD. X 48" LG. X 0.07" THK.)
-17	1	RBT18543-17	MSC#85035798 OR EQUIV. (1/2 DR. 1-1/16 12 PT. DEEP SOCKET)
18	1	RB DB3188L-13	TRANSMISSION DRAIN TOOL PACKAGING ASSY
19	1	RB DB3188L-15	TRANSMISSION DRAIN TOOL HOSE ASSEMBLY
20	1	RB DB3225C-17	FREE WHEELING CLUTCH DRAIN TOOL QUILL ASSEMBLY
21	1	RB DB3225C-19	FREE WHEELING CLUTCH DRAIN TOOL HOSE ASSEMBLY
22	1	RB DB3225L-13	T/R GEARBOX AND FREEWHEELING PACKAGING ASSY
23	1	RB DB3225L-15	T/R GEARBOX AND FREEWHEELING HOSE ASSY
24	1	RB H4713-17	TRANS. & GEAR BOX DRAIN TOOL ASSEMBLY
25	1	RB H4713-19	TRANS. & GEAR BOX DRAIN TOOL HOSE ASSEMBLY
26	1	RB2300COMB	POWER TURBINE CLEANING KIT
27	1	RB6796941-14	GUIDE
28	1	RB6796941-18	PUNCH
29	1	RB6796941-201	STARTER PULLER ASSY
30	1	RB6796941-203	SLIDE HAMMER ASSY
31	1	RB6798292-B	FUEL CONTROL WRENCH
32	1	RB23006782	ADAPTER - TORQUE TURBINE ATTACH NUT, LOWER
33	1	RB23006783	ADAPTER - TORQUE TURBINE ATTACH NUT, UPPER
34	1	RB23007638	FUEL NOZZLE WRENCH
35	1	RBBP1425-101	INPUT DRIVE SHAFT TOOL KIT
36	1	RBE-RDGS-15	SCALE TESTER
37	1	RBGTM12	M/R PILLOW BLOCK BOLT SOCKET
38	1	RBIR7028	PORTABLE BEARING INSTALL & REMOVAL TOOLS
39	1	RBPA003	T/R DRIVE SHAFT BEARING LUBRICATION TOOL
40	1	RBSC7028-P	PORTABLE BEARING CUTTERS
41	1	RBST2812-P	PORTABLE TRI-ROLLER SWAGING TOOL
42	1	RBT18505	TAIL ROTOR CROSS HEAD PULLER
43	1	RBT18506	M/R MAST NUT SOCKET
44	1	RBT18524	OIL SUMP STRAIGHTENER
45	1	RBT18538	SEAT FRAME SUPPORTS
46	1	RBT18540	HELICOPTER LIFTING EYE
47	1	RBT18546	K-FLEX WRENCH
48	1	RBT18551	SWASHPLATE SHIM BOLT
49	1	RBT18560	ENGINE/GEARBOX SEAL PULLER
50	1	RBT18565	ENGINE BELL MOUTH RATCHET
51	2	RBT18666	MAIN ROTOR RESTRAINT TOOL
52	1	RBT112800	PTO SEAL INSTALL TOOL
53	1	RBT200078	TRUNNION SPREADER
54	1	RBT400202	MAIN ROTOR TRIM TAB BENDER
55	1	RBT400203	MAIN ROTOR TRIM TAB PROTRACTOR
56	1	RB41011	DART PLACARD
57	4	McMaster#97524A032 OR EQUIV.	ALUMINUM SEALING BLIND RIVETS 1/8" DIA. X 0.425" LG.



**RBT18543 LONG RANGER MAINTENANCE KIT**

G	ITEM 64 WAS McMaster#97447A651 OR EQUIV. IS McMaster#97484A341 OR EQUIV. -2 DIM WAS 3.00 REF IS 3.00 -5 DIM WAS 2.06 REF IS 2.06	19-654	MBB
F	SEE PREVIOUS REVISION FOR MORE INFORMATION UPDATED DRAWING TEMPLATE UPDATED BOM TO REFERENCE CORRECT TOOL NUMBERS TO BE INCLUDED IN KIT ADDED ITEM -1 ITEM WAS -25 IS ITEM -11 ITEM WAS -35 IS ITEM -13 ITEM WAS -39 IS ITEM -15 ITEM WAS -67 IS ITEM -17	19-544	MBB
REV.	DESCRIPTION	ECN #	BY
DESIGN	MBB	<b>DART AEROSPACE LTD</b>	
DRAWN	MBB	HAWKESBURY, ONTARIO, CANADA	
CHECKED	KPT	TOOL PART #	
MFG. APPR.	DP	REV. G	
APPROVED	WJ	SHEET 1 OF 10	
DATE	3/25/2019	SCALE	NTS
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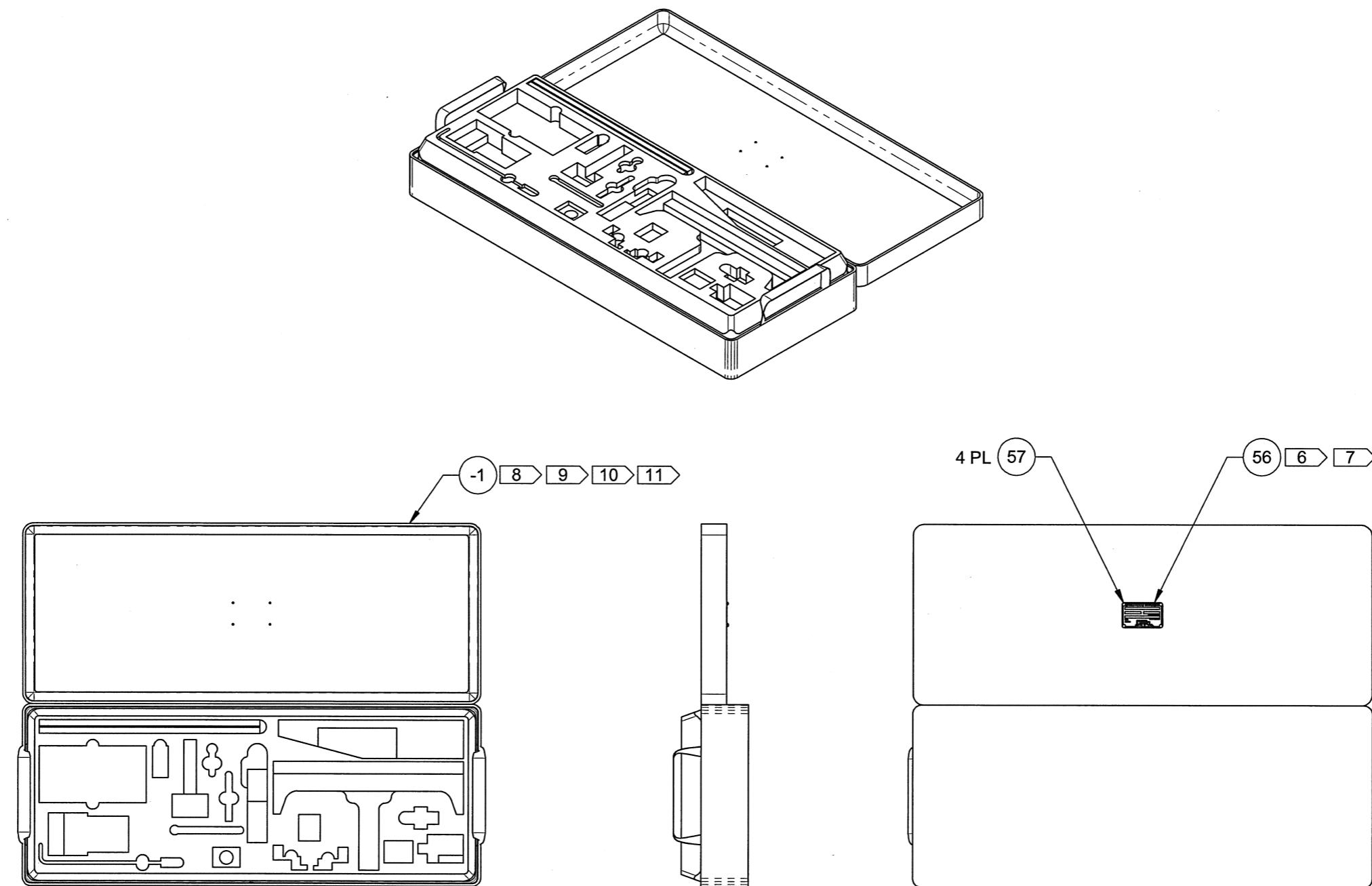
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## NOTES:

1) MATERIAL: N/A

2) HEAT TREAT: N/A

3) FINISH: N/A

4) TOLERANCES:  $X.X = +/- 0.1" / +/- 1^\circ$  $X.XX = +/- 0.01" / +/- 0.5^\circ$  $X.XXX = +/- 0.005" / +/- 0.1^\circ$  $X.XXXX = +/- 0.0005" / +/- 0.05^\circ$ PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES =  $+/-0.005"$ 

5) UNITS: INCHES UNLESS OTHERWISE NOTED

6) IDENTIFICATION: ENGRAVE THE TOOL P/N &amp; S/N ON THE DART PLACARD WHERE INDICATED

7) INSTALL THE DART PLACARD ONTO THE TOP OF THE CASE IN AVAILABLE AREA USING ALUMINIUM POP RIVETS

8) HOT GLUE THE STIFFENER ASSEMBLY TO THE TOP FOAM

9) HOT GLUE THE BOTTOM FOAM INTO THE CASE

10) HOT GLUE THE TOP FOAM CUSHION INTO THE CASE

11) INSERT THE CONTENT &amp; LOCATION PLACARD LOOSE INTO THE CASE

DESIGN	MBB	DART AEROSPACE LTD	
DRAWN	MBB	HAWKESBURY, ONTARIO, CANADA	
CHECKED	KPT		
MFG. APPR.	DP		
APPROVED	<i>WJ</i>		
DATE 3/25/2019		REV. G	
TOOL PART # RBT18543		SHEET 2 OF 10	
TITLE LONG RANGER FIELD MAINTENANCE KIT		SCALE NTS	

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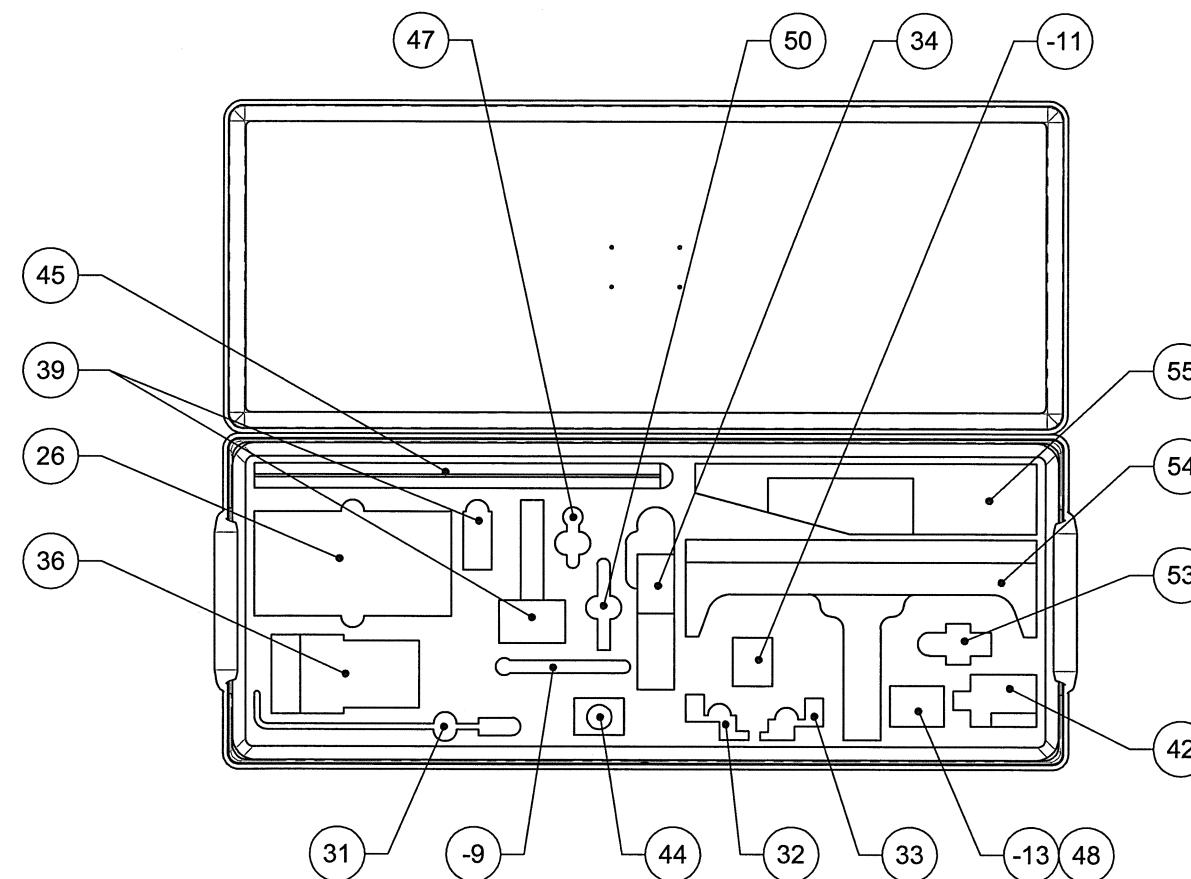
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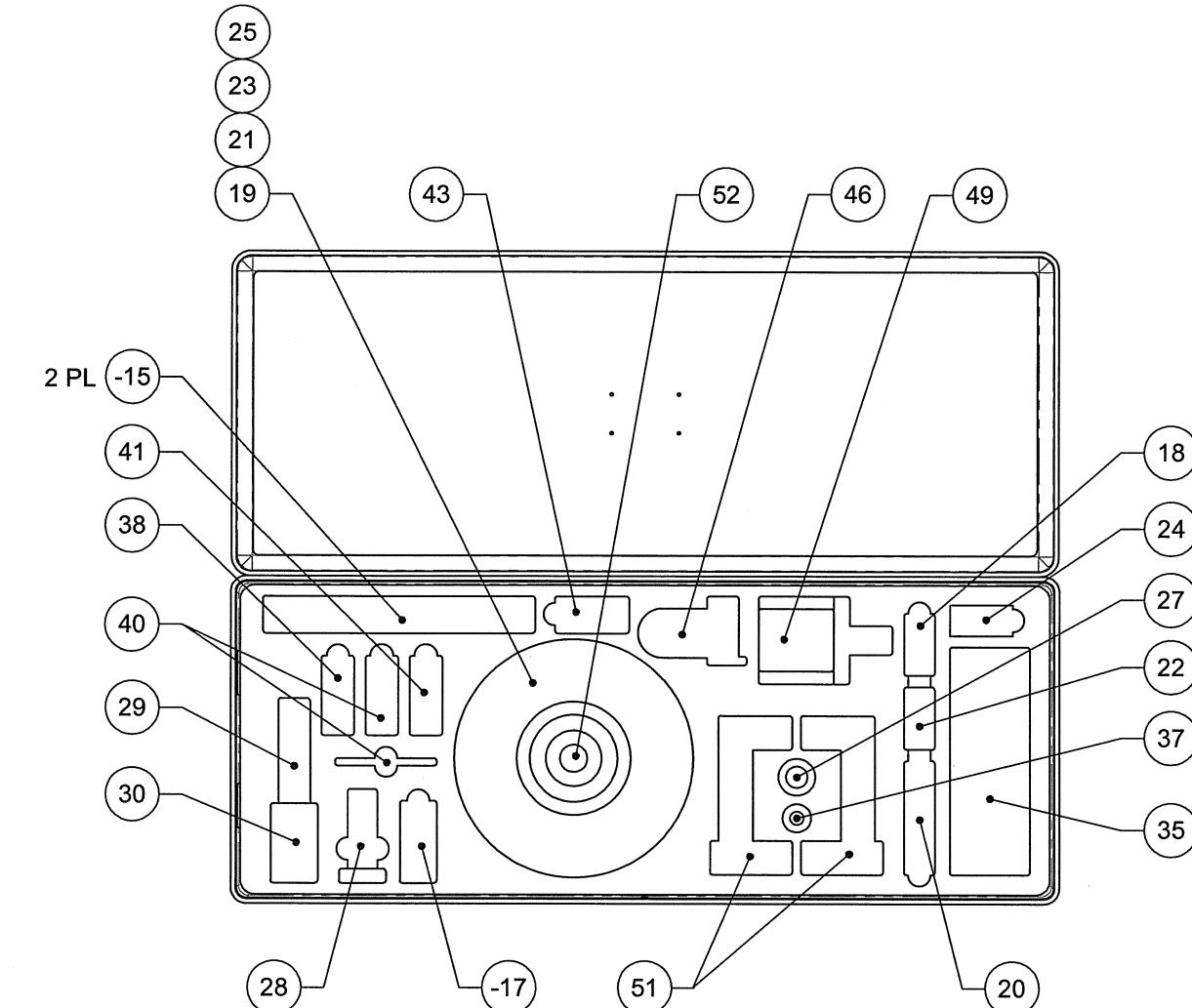
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**TOOLS PLACED IN ITEM -5 TOP FOAM**

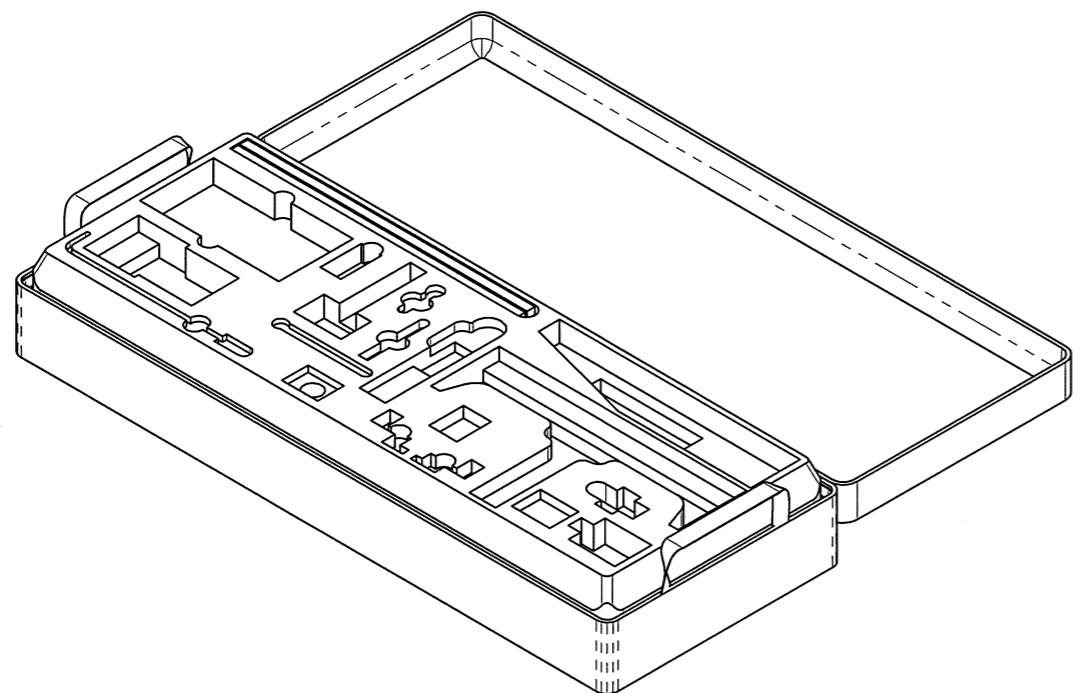


**TOOLS PLACED IN ITEM -2 BOTTOM FOAM**

DESIGN DRAWN	MBB MBB	<b>DART AEROSPACE LTD</b>	
CHECKED	KPT	HAWKESBURY, ONTARIO, CANADA	
MFG. APPR.	DP	REV. G	
APPROVED	WJ	SHEET 3 OF 10	
DATE 3/25/2019		TOOL PART #	RBT18543
		TITLE	
		LONG RANGER FIELD MAINTENANCE KIT	

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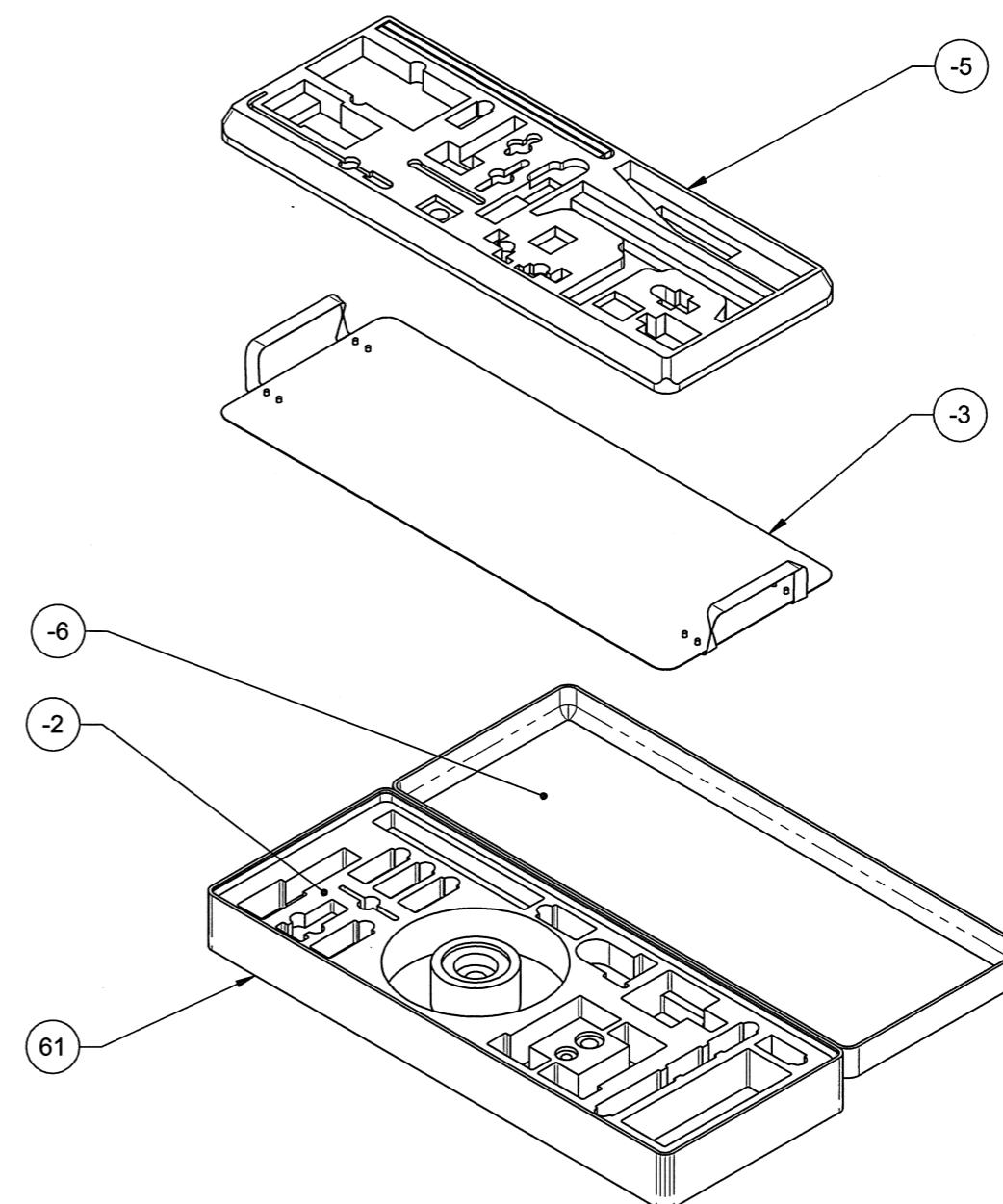
ITEM #	QTY	PART #	PART TITLE
-2	1	RBT18543-2	BOTTOM FOAM
-3	1	RBT18543-3	STIFFENER ASSEMBLY
-5	1	RBT18543-5	TOP FOAM
-6	1	RBT18543-6	TOP FOAM CUSHION
61	1	PELICAN #APP-1700-E	PELICAN CASE 1700



**RBT18543-1 PACKAGING ASSEMBLY**

**A** NOTES:

- 1) MATERIAL: N/A
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
 X.XX = +/- 0.01" / +/- 0.5°  
 X.XXX = +/- 0.005" / +/- 0.1°  
 X.XXXX = +/- 0.0005" / +/- 0.05°  
 PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) IDENTIFICATION: N/A



DESIGN DRAWN	MBB MBB	<b>DART AEROSPACE LTD</b>
CHECKED	KPT	HAWKESBURY, ONTARIO, CANADA
MFG. APPR.	DP	REV. G
APPROVED	WJ	SHEET 4 OF 10
DATE 3/25/2019		SCALE NTS
TOOL PART # RBT18543		
TITLE LONG RANGER FIELD MAINTENANCE KIT		

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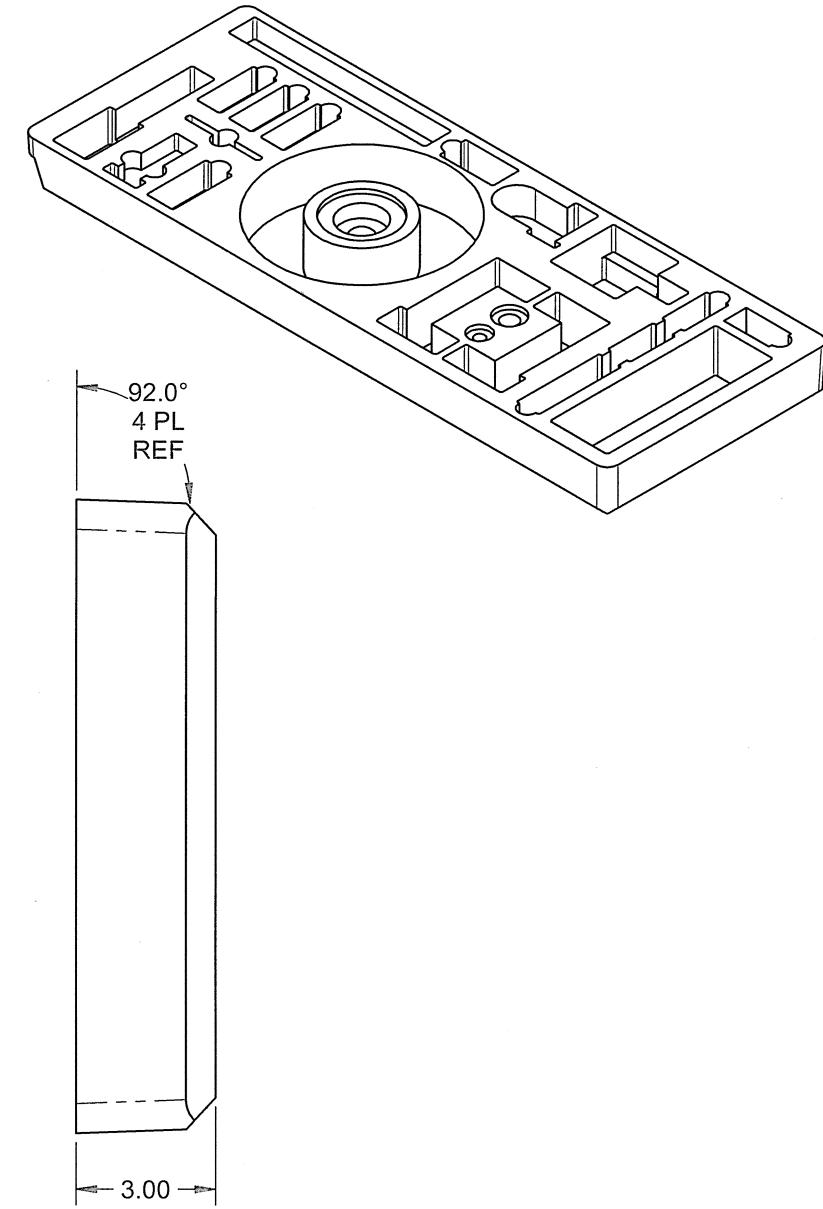
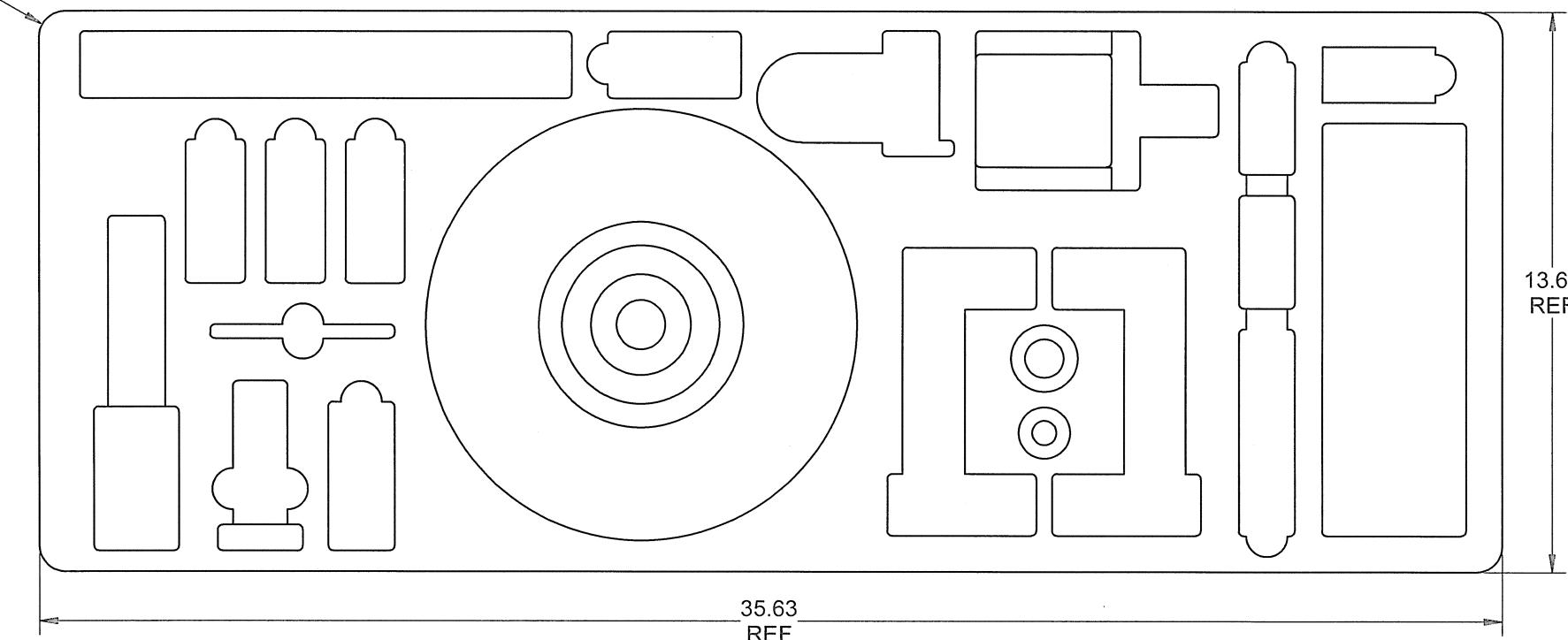
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**RBT18543-2 BOTTOM FOAM**

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**NOTES:**

- 1) MATERIAL: BLACK ETHAFOAM 220 REF
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X.X =  $+\/- 0.1"$  /  $+\/- 1^\circ$   
 X.XX =  $+\/- 0.01"$  /  $+\/- 0.5^\circ$   
 X.XXX =  $+\/- 0.005"$  /  $+\/- 0.1^\circ$   
 X.XXXX =  $+\/- 0.0005"$  /  $+\/- 0.05^\circ$   
 PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES =  $+\/- 0.005"$
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) IDENTIFICATION: N/A
- 7) ALL NON-DIMENSIONED FEATURES MUST MAINTAIN A TOLERANCE OF  $+\/- 0.050"$  PER CAD FILE RBT18543-2 REV. G.STEP

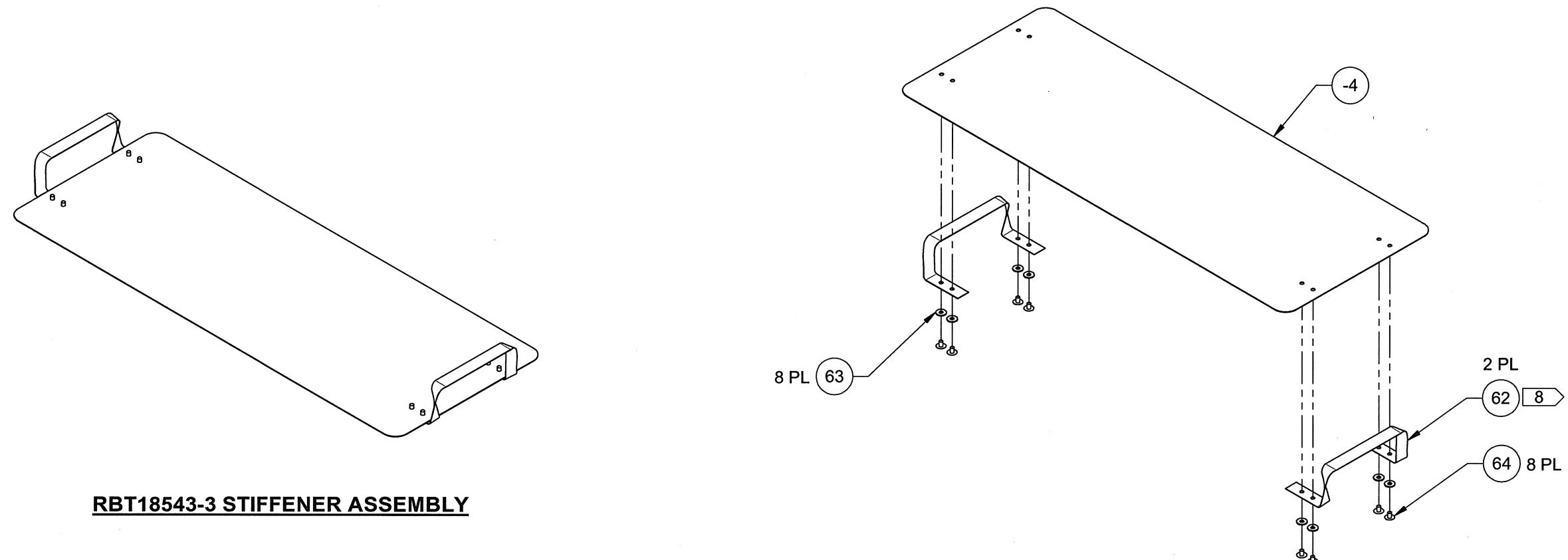
DESIGN	MBB	<b>DART AEROSPACE LTD</b>
DRAWN	MBB	HAWKESBURY, ONTARIO, CANADA
CHECKED	KPT	
MFG. APPR.	DP	
APPROVED	WJ	
TOOL PART #	<b>RBT18543</b>	REV. G
TITLE	LONG RANGER FIELD MAINTENANCE KIT	SHEET 5 OF 10
DATE	3/25/2019	SCALE NTS

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ITEM #	QTY	PART #	PART TITLE
-4	1	RBT18543-4	STIFFENER
62	2	DTSP10002	HANDLE
63	8	McMaster#93286A013 OR EQUIV.	ALUMINUM WASHER 0.265" ID. X 0.688" OD. X 0.030"-0.055" THK.
64	8	McMaster#97484A341 OR EQUIV.	ALUMINUM SOLID RIVETS 1/4" DIA. X 3/8" LG.

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## NOTES:

- 1) MATERIAL: N/A
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X.X =  $+\/- 0.1"$  /  $+\/- 1^\circ$   
 X.XX =  $+\/- 0.01"$  /  $+\/- 0.5^\circ$   
 X.XXX =  $+\/- 0.005"$  /  $+\/- 0.1^\circ$   
 X.XXXX =  $+\/- 0.0005"$  /  $+\/- 0.05^\circ$   
 PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES =  $+\/- 0.005"$
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) IDENTIFICATION: N/A
- 7) ASSEMBLE AS SHOWN
- 8) INSTALL ITEMS 62 ONTO ITEM -4 USING ITEMS 64

DESIGN	MBB	<b>DART AEROSPACE LTD</b>	
DRAWN	MBB	HAWKESBURY, ONTARIO, CANADA	
CHECKED	KPT	TOOL PART #	REV. G
MFG. APPR.	DP	RBT18543	SHEET 6 OF 10
APPROVED	<i>VJ</i>	TITLE	SCALE
DATE 3/25/2019		LONG RANGER FIELD MAINTENANCE KIT	NTS

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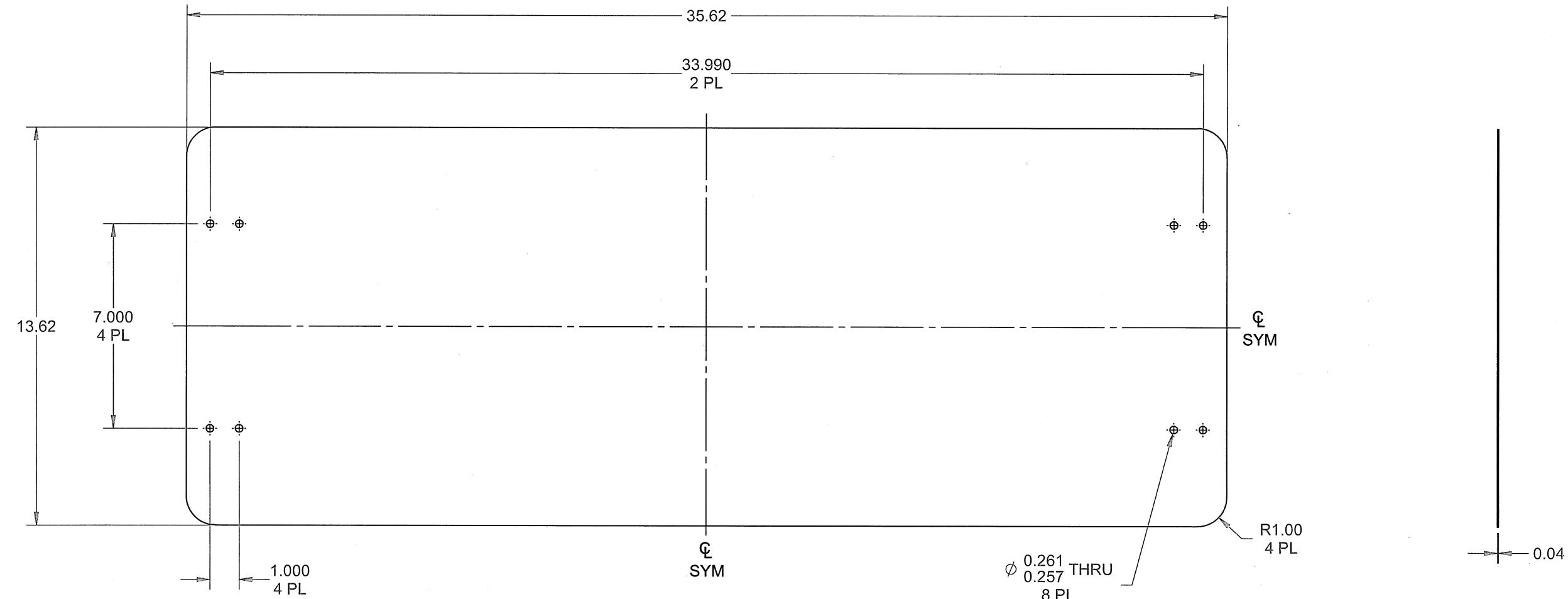
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### RBT18543-4 STIFFENER

#### NOTES:

- 1) MATERIAL: 6061-T6 / 7075-T6
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
 X.XX = +/- 0.01" / +/- 0.5°  
 X.XXX = +/- 0.005" / +/- 0.1°  
 X.XXXX = +/- 0.0005" / +/- 0.05°  
 PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) REMOVE ALL SHARP EDGES AND BURRS
- 7) IDENTIFICATION: N/A

DESIGN DRAWN	MBB MBB	DART AEROSPACE LTD	
CHECKED	KPT	HAWKESBURY, ONTARIO, CANADA	
MFG. APPR.	DP	TOOL PART #	REV. G
APPROVED	WF	RBT18543	SHEET 7 OF 10
DATE 3/25/2019		TITLE LONG RANGER FIELD MAINTENANCE KIT	
SCALE NTS			

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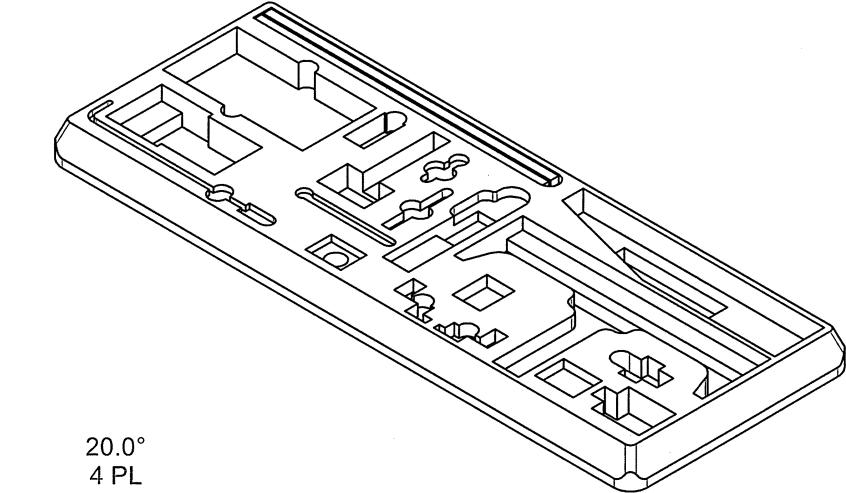
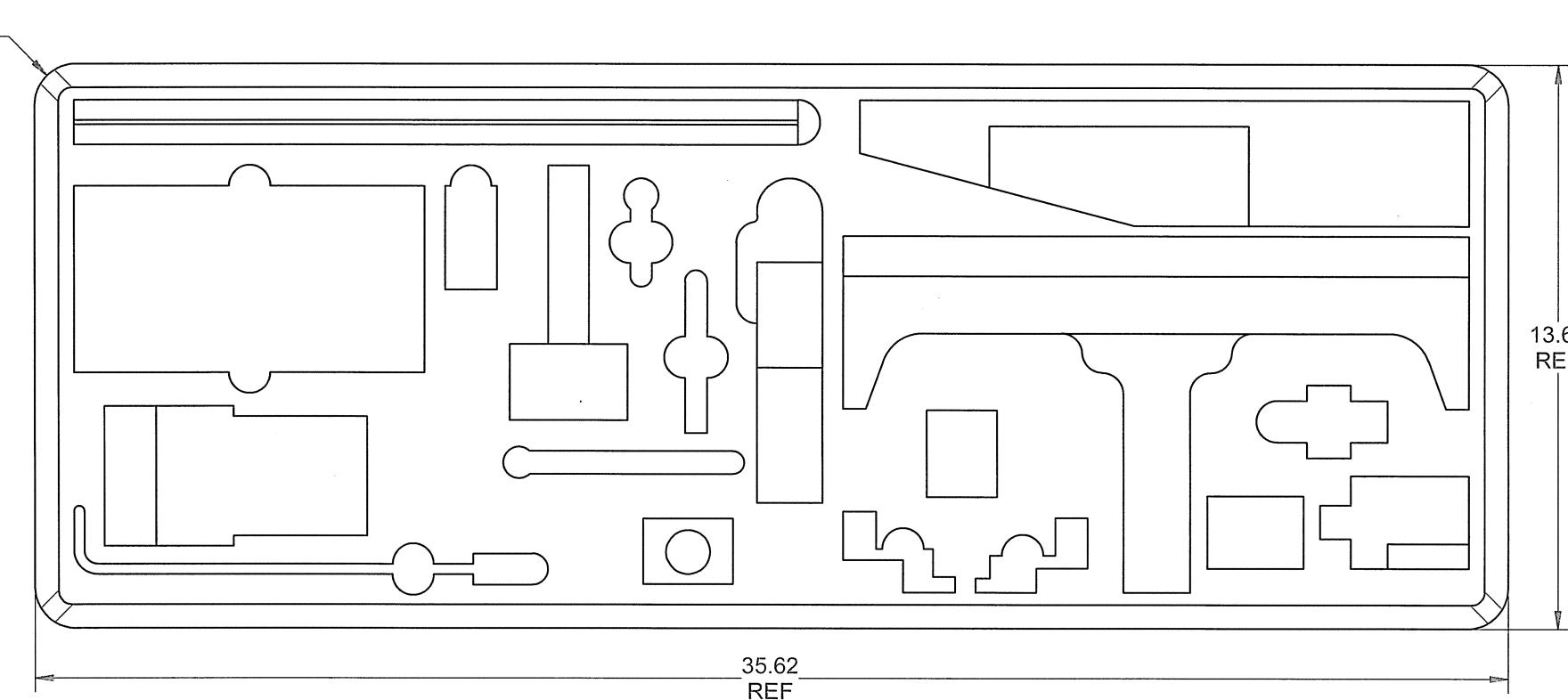
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**RBT18543-5 TOP FOAM**

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NOTES:

- 1) MATERIAL: BLACK ETHAFOAM 220 REF
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
 X.XX = +/- 0.01" / +/- 0.5°  
 X.XXX = +/- 0.005" / +/- 0.1°  
 X.XXXX = +/- 0.0005" / +/- 0.05°  
 PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) IDENTIFICATION: N/A
- 7) ALL NON-DIMENSIONED FEATURES MUST MAINTAIN A TOLERANCE OF +/- 0.050" PER CAD FILE RBT18543-5 REV. G.STEP

DESIGN DRAWN	MBB MBB	<b>DART AEROSPACE LTD</b>	
CHECKED	KPT	HAWKESBURY, ONTARIO, CANADA	
MFG. APPR.	DP	REV. G	
APPROVED	W	SHEET 8 OF 10	
DATE 3/25/2019		TOOL PART #	RBT18543
		TITLE	LONG RANGER FIELD MAINTENANCE KIT
		SCALE	NTS

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